

ABSTRACT

For controlling a physical dimension of a solid state structural feature,
5 a solid state structure is provided, having a surface and having a structural
feature. The structure is exposed to a first periodic flux of ions having a first
exposure duty cycle characterized by a first ion exposure duration and a first
nonexposure duration for the first duty cycle, and then at a second periodic
flux of ions having a second exposure duty cycle characterized by a second ion
10 exposure duration and a second nonexposure duration that is greater than
the first nonexposure duration, for the second duty cycle, to cause transport,
within the structure including the structure surface, of material of the
structure to the structural feature in response to the ion flux exposure to
change at least one physical dimension of the feature substantially by locally
15 adding material of the structure to the feature.